COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

M	y residence,	post	office	address a	and	citizenship	are a	as stated	below	next to	m۷	name.
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joint inventor (i	f plural names	st and sole inventor (it is are listed below) of the tion entitled <u>Data S</u>	f only one name is listed below) or an original, first and ne subject matter which is claimed and for which a torage Device
of which		1	, the specification
Of WillCIT			ž -
(check one)	10 <u></u>	is attached hereto	
		was filed on United States App	lication Noas
	X	PCT International filed March 4, 200	Patent Application Number_PCT/JP03/02525
		and was amended	on (if applicable).
I hereby state to including the cl	hat I have rev aims, as amei	iewed and understand nded by any amendm	the contents of the above identified specification, ent referred to above.
l acknowledge i accordance wit	the duty to dis h Title 37, Co	close information whi de of Federal Regulat	ch is material to the examination of this application in ons, § 1.56(a).
application(s) for	or patent or in patent or inve	ventor's certificate list	55, United States Code, § 119 of any foreign ed below and have also identified below any foreign g a filing date before that of the application on which
Prior Foreign A	pplication(s)		Priority Claimed
2002-059179 (Number)	_Japan (Country)	5/March/2002 (Day/Month/Year	X_Yes No
			Yes No
(Number)	(Country)	(Day/Month/Year	
listed below and the prior United States Code, § of Federal Regi	d, insofar as th States applic 112, I acknow ulations, § 1.5	ne subject matter of e ation in the manner p rledge the duty to disc	ates Code, § 120 of any United States application(s) ach of the claims of this application is not disclosed in rovided by the first paragraph of Title 35, United lose material information as defined in Title 37, Code etween the filing date of the prior application and the ication:
(Appln. Serial N	10.)	(Filing Date)	(Status-patented, pending, abandoned)
(Appln. Serial N		(Filing Date)	(Status-patented, pending, abandoned)

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY LLP 600 13th Street, N.W. WASHINGTON, D.C. 20005-3096 Telephone; 202-756-8000

	Full name of sole or first inventor <u>Yoshihiro HORI</u>
	Inventor's signature
200	Full name of second inventor
35	Full name of third inventor

	Full name of fourth inventor <u>Akihiro TOZAKI</u>
400	Inventor's signature Date
5,8	Inventor's signature Date
6	Full name of sixth inventor
700	Full name of sixth inventor
800	Full name of sixth inventor

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

My	/ residence,	post of	ffice address	and citize	nship are a	as stated	below next to	my name.
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joint inventor (i	f plural names	t and sole inventor (if are listed below) of th on entitled <u>Data S</u>	only one name is listed below) or an original, first an ne subject matter which is claimed and for which a torage Device
of which			, the specification
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(check one)	· —	is attached hereto.	
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application(s) f	or patent or inv patent or inven	entor's certificate list	5, United States Code, § 119 of any foreign ed below and have also identified below any foreign g a filing date before that of the application on which
Prior Foreign A	application(s)		Priority Claimed
2002-059179 (Number)	Japan (Country)	_5/March/2002 (Day/Month/Year F	X_Yes No
(Number)	(Country)	(Day/Month/Year F	Yes No
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(Appln. Serial I	No.)	(Filing Date)	(Status-patented, pending, abandoned)
(Appln. Serial I	No.)	(Filing Date)	(Status-patented, pending, abandoned)

Please address all correspondence and telephone calls to:

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Full name of sole or first inventor <u>Yoshihiro HO</u>	RI
Inventor's signature	Date
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Full name of second inventor Ryoji OHNO	
Inventor's signature. <u>Duosi Olmo</u> Residence <u>Osaka-shi Osaka Japan</u>	Date Aug 30.2009
Post Office Address <u>c/o Sharp Kabushiki Kaisha</u>	22-22, Nagaike-cho, Abeno-ku
_Osaka-shi, Osaka 545-8522	Japan
	·
Full name of third inventor <u>Takeo OHISHI</u>	
Inventor's signature	Date
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Post Office Address _c/o VICTOR COMPANY OF	JAPAN LIMITED 12 Moriya-cho 3-chome

·	
Full name of fourth inventor <u>Akihiro TOZAKI</u>	
Inventor's signature Date	
Full name of fifth inventor <u>Kenichiro TADA</u>	
nventor's signature Date ResidenceTokorozawa-shi, Saitama, Japan CitizenshipJapanese Post Office Address _c/o Tokorozawa Works of PIONEER CORPORATION, 2610, Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan	
Full name of sixth inventorTatsuya HIRAI	
nventor's signature Date Date CitizenshipJapanese Post Office Address _c/o Systems Development Laboratory, Hitachi, Ltd., 1099, Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan	
Full name of sixth inventorMasafumi TSURU	
nventor's signature Date ResidenceChiyoda-ku, Tokyo Japan CitizenshipJapanese Post Office Address _c/o Phoenix Technologies, K.K., Tokyo Ginko Kyokai Building 14th Fla 3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan	ספר,
Full name of sixth inventorTakayuki HASEBE	
nventor's signature Date Date Date Post Office Address _c/o FUJITSU LIMITED_1-1 Kamikodanaka 4-chome Nakahara-ku Kawasaki-shi Kanagawa 211-8588 Japan	•

<u>.</u>.

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

My residence,	post office addr	ess and citizenship ar	e as stated below next to my name.
joint inventor (i	f plural names		only one name is listed below) or an original, first an e subject matter which is claimed and for which a
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Prior Foreign A	application(s)		Priority Claimed
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listed below an the prior United States Code, § of Federal Reg	d, insofar as the d States applica 112, I acknowl ulations, § 1.56	e subject matter of eaction in the manner pro edge the duty to disclo	tes Code, § 120 of any United States application(s) on of the claims of this application is not disclosed in wided by the first paragraph of Title 35, United use material information as defined in Title 37, Code tween the filing date of the prior application and the cation:
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rull name of sole or	first inventor <u>Y</u>	oshihiro HORI			
Inventor's signature		٠.	Date		
Residence <u>Gifu-sh</u>	i, Gifu, Japan		_ Citizenship	Japanese	
Post Office Address	c/o Sanyo Elec	tric Co., Ltd., 5-5, K	eihanhondori 2	-chome	
	_Moriguchi-shi_u	Osaka 570-8677 Jar	an		
		,			
-					
Full name of second	inventor Ryoj	i OHNO	·		
Inventor's signature .					
Residence <u>Osaka</u> .					
Post Office Address	c/o Sharp Kabu	<u>shiki Kaisha, 22-22,</u>	Nagaike-cho	Abeno-ku,	
	Osaka-shi, Osa	ka 545-8522 Japan			
			•		
Full name of third in	/entor <u>Takeo</u>	OHISHI		1000 0 7 7 1/	2004
Inventor's signature.	To Kon	Ohushi		7 7 30 200	1070
Inventor's signature.	1.940	O VIDERKX	Date	January 30, 200	
Residence <u>Yokoh</u>		•	•	·	
Post Office Address			,		
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Full name of fourth inventorAkihiro TOZAKI	·
Inventor's signature	Date
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Post Office Address c/o Tokorozawa Works of PIOI	NEER CORPORATION 2610
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Full name of fifth inventor <u>Kenichiro TADA</u>	
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Inventor's signature	Date
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Full name of sixth inventor <u>Tatsuya HIRAI</u>	
Inventor's signature	Date
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Post Office Address c/o Systems Development Lab	
<u>Ozenji, Asao-ku, Kawasaki-shi</u>	Kanagawa 215-0013 Japan
Full name of sixth inventorMasafumi TSURU	· · · · · · · · · · · · · · · · · · ·
·	
Inventor's signature	Date
Inventor's signature	Citizenship <u>Japanese</u>
Post Office Address <u>c/o Phoenix Technologies</u> , K.K	C. Tokyo Ginko Kyokai Building 14th Fl
3-1, Marunouchi 1-chome, Chi	yoda-ku, Tokyo 100-0005 Japan
	·
Full name of sixth inventor	
Inventor's signature	Date .
Residence Kawasaki-shi Kanagawa Japan	Citizenship Japanese
Post Office Address _c/o FUJITSU LIMITED_1-1_Ka	amikodanaka 4-chome
Nakahara-ku Kawasaki-shi Ka	

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

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Prior Foreign A	application(s)		Priority Claimed
2002-059179 (Number)	Japan (Country)	_5/March/2002 (Day/Month/Year I	X_YesNo
(Number)	(Country)	(Day/Month/Year I	Yes No
I hereby claim listed below an the prior United States Code, § of Federal Reg	the benefit und d, insofar as th d States applica 112, I acknowl ulations, § 1.56	er Title 35, United St e subject matter of eation in the manner predeted	ates Code, § 120 of any United States application(s) ach of the claims of this application is not disclosed in rovided by the first paragraph of Title 35, United lose material information as defined in Title 37, Code etween the filing date of the prior application and the
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Full name of sole or first inventorYoshihiro H	ORI
Inventor's signature	Date
Residence Gifu-shi Gifu Japan	Citizenship Japanese
Post Office Address _c/o Sanyo Flectric Co _Lt	d., 5-5, Keihanhondori 2-chome. -8677 Japan
Full name of second inventor Ryoji OHNO	
Inventor's signature	Date
Residence Osaka-shi Osaka Japan	Citizenship <u>Japanese</u>
Post Office Address c/o Sharp Kabushiki Kaish	a 22-22 Nagaike-cho Abeno-ku
Osaka-shi, Osaka 545-852	22 Japan
Full name of third inventorTakeo OHISHI	
Inventor's signature	Date
Residence Yokohama-shi, Kanagawa, Japan	Citizenship <u>Japanese</u>
Post Office Address _c/o VICTOR COMPANY C	
	shi Kanagawa 221-8528 Janan

Full name of fourth inventor <u>Akihiro TOZAKI</u>
Inventor's signature Akihiro Tozaki Date August 17, 2004 Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese
Post Office Address <u>c/o Tokorozawa Works of PIONEER CORPORATION</u> 2610, Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan
Full name of fifth inventorKenichiro TADA
Full name of sixth inventorTatsuya HIRAI Date Date
Residence <u>Kawasaki-shi, Kanagawa, Japan</u> <u>Citizenship Japanese</u> Post Office Address <u>c/o Systems Development Laboratory, Hitachi, Ltd.</u> 1099, Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan
Full name of sixth inventor <u>Masafumi TSURU</u>
Inventor's signature Date ResidenceChiyoda-ku, Tokyo, Japan CitizenshipJapanese Post Office Address _c/o Phoenix Technologies K K _ Tokyo Ginko Kyokai Building 14th Floor 3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan
Full name of sixth inventor
Inventor's signature Date

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor(s), I(we) hereby declare that:

My residence,	post office ad	dress and citizenship	are as stated below next to my name.
Journal MAGNET (u piurai name	rst and sole inventor (s are listed below) of tion entitled <u>Data S</u>	if only one name is listed below) or an original, first and the subject matter which is claimed and for which a Storage Device
of which			, the specification
(check one)		is attached hereto	
		was filed on United States App	olication No as
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application(s) t	or patent or in patent or in	ventor's certificate list	35, United States Code, § 119 of any foreign ed below and have also identified below any foreign g a filing date before that of the application on which
Prior Foreign A	application(s)		Priority Claimed
2002-059179 (Number)	Japan (Country)	5/March/2002 (Day/Month/Year I	X_Yes No
(Number)	(Country)	(Day/Month/Year I	—Yes No
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MCDERMOTT, WILL & EMERY LLP 600 13th Street, N.W. WASHINGTON, D.C. 20005-3096 Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

To martie of sole of first inventor	DRI
Inventor's signature	-
Inventor's signature	Date
Residence Gifu-shi Gifu Japan	Citizenship <u>Japanese</u>
Post Office Address _c/o Sanyo Flectric Co _ Lto	L 5-5 Keihanhondori 2-chome
_Moriguchi-shi_Osaka 570-	8677 Japan
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Full name of second inventor Ryoji OHNO	•
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Inventor's signature	Date
Residence Osaka-shi Osaka Japan	Oitining to
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Post Office Address c/o Sharp Kabushiki Kaisha	22-22 Nagaike-cho Abeno-ku
Osaka-shi_Osaka 545-8522	2 Japan
•	
Full name of third inventorTakeo OHISHI	
Inventor's signature	Date
Residence Yokohama-shl Kanagawa, Japan	Citizenshin Jananese
Post Office Address _c/o VICTOR COMPANY OF	IAPAN LIMITED 12 Mosius she 2 she
Kanagawa-ku Vokohama s	hi Kanagawa 221-8528 Japan
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Full name of fourth inventorAkihiro TOZAKI	
Inventor's signature	Date
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Post Office Address c/o Tokorozawa Works of F	PIONEER CORPORATION 2610
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Full name of fifth inventor <u>Kenichiro TADA</u>	
Inventor's signature	Date
Residence Tokorozawa-shi Saitama Janan	Citizenship lananosa
Post Office Address _c/o Tokorozawa Works of F	PIONEER CORPORATION 3610
Hanazono 4-chome Tokoro	ozawa-shi, Saitama 359-8522 Japan
Full name of sixth inventor Tatsuya HIRAI	
Inventor's signature Tomuna Idiran	Data Aug all wash
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Post Office Address c/o Systems Development	Laboratory Hitachi Ltd. 1000
Ozenii Asanku Kawasaki	shi Kanagawa 215-0013 Japan
	Sur, Managawa Zillauu 15 Japan :
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- "	
Full name of sixth inventor <u>Masafumi TSURU</u>	
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Inventor's signature	Date
Residence <u>Univoda-ku tokyo Japan</u>	Citizenshiplapanese
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Full name of sixth inventor <u>Takayuki HASFBE</u>	
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Nakahara-ku, Kawasaki-shi	Kanagawa 211-8588 Japan

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled _____ Data Storage Device___ of which (check one) is attached hereto. was filed on _ United States Application No. _X_ PCT International Patent Application Number PCT/JP03/02525 filed March 4, 2003 and was amended on _ . (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: Prior Foreign Application(s) **Priority Claimed** 2002-059179 Japan 5/March/2002 _X_Yes ___ No (Number) (Country) (Day/Month/Year Filed) _ Yes __ No (Number) (Country) (Day/Month/Year Filed) I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: (Appln. Serial No.) (Filing Date) (Status-patented, pending, abandoned) (Appln. Serial No.) (Filing Date) (Status-patented, pending, abandoned)

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Full name of sole or first inventor <u>Yoshibiro I</u>	HORL
Inventor's signature	Date
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Moriguchi-shi Osaka 57	0-8677 Japan
:	
Full name of second inventorRyoji OHNO	<u> </u>
•	
Inventor's signature	Date
Residence <u>Osaka-sni Osaka Japan</u>	Citizenship _Japanese
Post Office Address <u>c/o Sharp Kabushiki Kais</u>	ha 22-22 Nagaike-cho Abeno-ku
Osaka-shi, Osaka 545-85	322 Japan
	•
	•
Full name of third inventor <u>Takeo OHISHI</u>	
Inventor's signature	Date
Residence <u>Yokohama-shi Kanagawa Japa</u>	n Citizenshiplapanese
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Full name of fourth Inventor <u>Akihiro TOZAKI</u>	
Inventor's signature	Date
Inventor's signature	Citizenship Japanese
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Full name of fifth inventorKenichiro TADA	
Inventor's signature	Data
Residence Tokorozawa-shi Saitama Japan	Ottzenskin kananoso
Post Office Address co Tokorozawa Works of PIO	NEER CORPORATION 2610
	wa-shi Saitama 359-8522 Japan
A MANUAL TO A MANU	
	•
Full name of sixth inventor	
Inventor's signature	Date
Residence Kawasaki-shl Kanagawa Japan	Citizenshiplapanese
Post Office Address _c/o Systems Development Lab	noratory Hitachi Itd. 1099
Ozenji, Asao-ku, Kawasaki-shi	Kanagawa 215-0013 Japan
	•
•	
Full name of sixth inventor <u>Masafumi TSURU</u>	•
Inventor's signature	Y Date _&/30/200 \x
Residence Chiyoda-ku Tokyo Japan	Citizenshiplapanese
Post Office Address c/o Phoenty Technologies, K K	Tokyo Ginko Kyokai Building 14th F
3-1 Marunouchi 1-chome Chi	voda-ku Tokyo 100-0005 Japan
	•
•	•
Full name of sixth inventor Takayuki HASEBE	•
Lan rights of sixtu luxalifor Tarsiàni Lezege	
Inventor's signature	Date
Inventor's signature	Cifizenship Japanese
Post Office Address c/o EUJITSU LIMITED 1-1 Ka	amikodanaka 4-chome
Nakabara-ku Kawasaki-shi Ka	

COMPINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

My residence,	post office add	ress and citizenship a	are as stated below next to my name.
Journal Manual (ıı pıuraı names	st and sole inventor (i are listed below) of the ion entitled <u>Data S</u>	if only one name is listed below) or an onginal, first and the subject matter which is claimed and for which a Storage Device
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2002-059179 (Number)	(Country)	5/March/2002 (Day/Month/Year F	_X_Yes No
(Number)	(Country)	(Day/Month/Year F	Yes No
the prior United States Code, § of Federal Reg	u, msorar as in l States applica 112, I acknowl ulations, § 1.56	e subject matter of ea tion in the manner pr edge the duty to disc	ates Code, § 120 of any United States application(s) ach of the claims of this application is not disclosed in rovided by the first paragraph of Title 35, United close material information as defined in Title 37, Code between the filing date of the prior application and the lication:
(Appln. Seriel N	10.)	(Filing Date)	(Status-patented, pending, abandoned)
(Appln. Serial N	No.)	(Filing Date)	(Status-patented, pending, abandoned)

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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